

**CLAIMS**

What is claimed is:

5 1. A method for producing a fine, highly crystalline material product, the method comprising fluid energy milling a crystalline material using a milling fluid comprising helium at reduced temperature.

2. A method according to claim 1 wherein the milling fluid consists of helium.

10 3. A method according to claim 1 wherein the temperature of the milling fluid is between -30°C and -120°C.

15 4. A method according to claim 3 wherein the temperature of the milling fluid is between -50°C and -70°C.

5. A method according to claim 1 wherein the crystalline material comprises a medicament powder.

20 6. A method according to claim 5 wherein the crystalline material is triamcinolone acetonide.

7. A method according to claim 1 wherein the product has an amorphous content of less than 5%.

25 8. A method according to claim 7 wherein the product has an amorphous content of less than 2%.

30 9. A method according to claim 8 wherein the product has an amorphous content of less than 1%.

10. A method according to claim 1 wherein the product comprises a medicament powder in a form suitable for inhalation.

11. A method according to claim 10 wherein the product has a median particle size of less than 10 microns.

12. A crystalline material containing substantially no amorphous content and having a  
5 median particle size of less than 2 microns.

13. A crystalline material according to claim 12 having a median particle size of about 1 micron.

10 14. A crystalline material according to claim 12 which is triamcinolone acetonide.

15. A crystalline material produced by a method according to claim 1.

16. A crystalline material according to claim 15 containing substantially no amorphous  
15 content and having a median particle size of less than 2 microns.